

**UTILITY PATENT APPLICATION TRANSMITTAL**

(for Noncontinuing, Nonprovisional Applications under 37 C.F.R. §1.53(b))

Attorney Docket No. 7398/84010

Customer No. 22242

Mail Stop PATENT APPLICATION )  
Commissioner for Patents )  
U.S. Patent and Trademark Office )  
2011 South Clark Place )  
Crystal Plaza Two, Lobby, Room 1B03 )  
Arlington, VA 22202 )  
Sir: )

Transmitted herewith for filing under 37 C.F.R. )  
§1.53(b) is the nonprovisional, noncontinuing )  
patent application for: )

April 22, 2004

Title: LEAK DETECTOR FOR DETECTING )  
LEAK OF LIQUID INJECTED INTO )  
BLOOD VESSEL USING PULSE SIGNAL )

Named Inventor: ONO, Seiichi )

☒ 38 pages of the specification (including claims) are enclosed.

☒ 16 sheet(s) of drawings are enclosed. ☒ Formal ☐ Informal

☒ An executed Oath or Declaration and Power of Attorney naming the actual inventors is enclosed.

☐ The names of persons believed to be the actual inventors are set forth in the enclosed unexecuted Oath or Declaration and Power of Attorney (§1.41(a) and §1.53(b)).

☒ An Assignment of the invention to Nemoto Kyorindo Co., Ltd., and cover sheet are enclosed.

☐ A check in the amount of \$       to cover the fee for recording the assignment is enclosed.

☒ The Recordation Form Cover Sheet includes authorization to charge our Deposit Account for recording the assignment.

☐ A 37 C.F.R. §3.73(b) statement is enclosed where an assignee seeks to take action.

- ☒ An Information Disclosure Statement is enclosed.
- ☒ A Form PTO/SB/08 is enclosed.
- ☒ 9 References (copy of International Application only) listed as foreign patent documents or non-patent literature on Form PTO/SB/08 (37 C.F.R. § 1.98(a)(2)) are enclosed.
- ☒ A Return Receipt Postcard is enclosed (MPEP §503).
- ☒ Priority of application number 2003-123460, filed April 28, 2003, 2003-378443, filed November 7, 2003 and 2004-046555, filed February 23, 2004 in Japan are claimed under 35 U.S.C. §119.
- ☒ Three certified copies of the priority document are enclosed.
- ☐ A Computer Program Listing Appendix is enclosed.
  - ☐ A Transmittal Cover Letter for Computer Program Listing Appendix is enclosed.
  - ☐ Two (2) Compact Discs are enclosed.
- ☐ A Nucleotide and/or Amino Acid Sequence Submission is enclosed.
  - ☐ A Computer Readable Copy is enclosed.
  - ☐ A Paper Copy (Identical to Computer Copy) is enclosed.
  - ☐ A Statement Verifying Identity of above Copies is enclosed.
- ☒ The filing fee is calculated below:

Fee Calculation For Claims As Filed

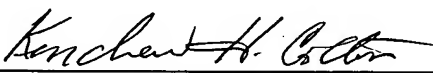
Basic Fee									\$	770.00
Independent Claims	<u>4</u>	-	<u>3</u>	=	<u>1</u>	x	\$	86.00	=	\$ 86.00
Total Claims	<u>60</u>	-	<u>20</u>	=	<u>40</u>	x	\$	18.00	=	\$ 720.00
Fee for Multiply Dependent Claims								\$	290.00	
Total Filing Fee									\$	<u>1,576.00</u>

- ☒ Applicant(s) assert entitlement to Small Entity Status (37 C.F.R. § 1.27), reducing the Filing Fee by half to: \$ 788.00
- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ Charge \$ 788.00 to Deposit Account No. 06-1135, under Order No. 7398/84010.
- ☐ The payment of the Filing Fee is to be deferred until the Declaration is filed. Do not charge our Deposit Account.

- ☒ A separate written request under 37 C.F.R. §1.136(a)(3), which is a general authorization to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. §1.136(a) for its timely submission as incorporating a petition for an extension of time for the appropriate length of time, is enclosed.
- ☒ The Director is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 06-1135. Should no proper payment be enclosed herewith, the Director is authorized to charge the unpaid amount to Deposit Account No. 06-1135, under Order No. 7398/84010. This sheet is filed in duplicate.
- ☒ Also enclosed: Application Date Sheet
- ☒ Address all future communications to:

Kendrew H. Colton  
FITCH, EVEN, TABIN & FLANNERY  
Suite 401L  
1801 K Street, N.W.  
Washington, D.C. 20006-1201

April 23, 2004  
Date

  
Kendrew H. Colton  
Registration No. 30,368

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Telephone: (202) 419-7000  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Inventor: ONO )  
)  
)  
Filed: Herewith )  
)  
Title: LEAK DETECTOR FOR )  
DETECTING LEAK OF LIQUID )  
INJECTED INTO BLOOD VESSEL )  
USING PULSE SIGNAL )  
)  
\_\_\_\_\_)  
)  
Attorney Docket No.: 7398/84010 )  
)  
Customer No.: 22242 )

**GENERAL AUTHORIZATION FOR PETITION FOR  
EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(3)**

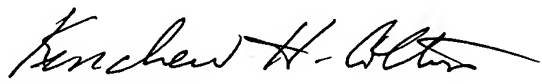
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Arlington, VA 22202

Sir:

Applicant(s) hereby request under 37 C.F.R. §1.136(a)(3) by this general authorization that any concurrent or future reply submitted by Applicant(s) to the United States Patent and Trademark Office for the above-identified patent application requiring a petition for an extension of time under §1.136(a) for its timely submission be treated as incorporating therein a petition for an extension of time for the appropriate length of time.

If Applicant(s) do not timely pay for any extension fee(s) pursuant to 37 C.F.R. §1.136(a) which may become due for this application under 37 C.F.R. §1.17 by check, the Director is hereby authorized to charge such fee(s), and any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 06-1135.

April 22, 2004  
Date

  
\_\_\_\_\_  
Kendrew H. Colton  
Registration No. 30,368

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